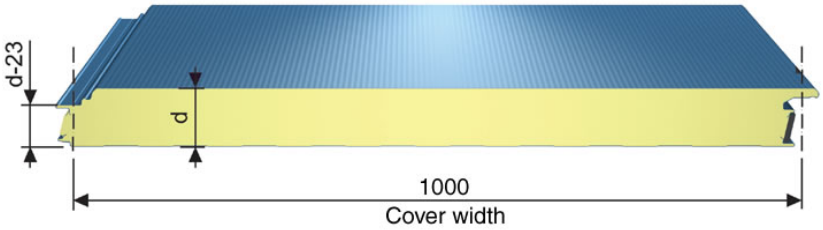
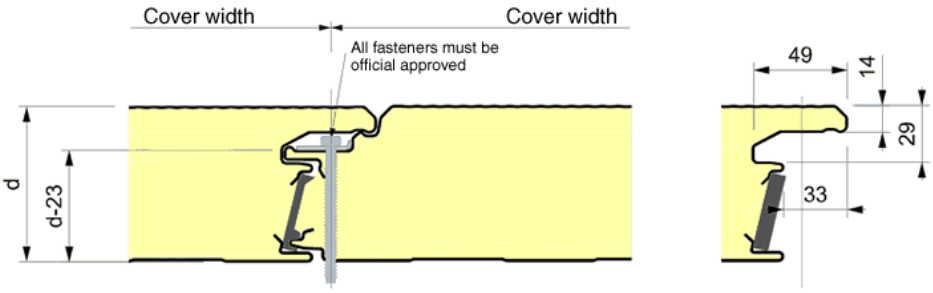
isowand vario® Technical data



Longitudinal joint



Element thickness	Material thickness		Max. length supplied	Weight	Thermal resistance R*	Heat transfer coefficient U*	Thermal resistance R_D**	Heat transfer coefficient U**
	Outer sheet t_N	Inner sheet t_N						
mm	mm	mm	m	kg/m²	m²K/W	W/m²K	m²K/W	W/m²K
60				11,3	2,57	0,37	2,55	0,42
80	0,50	0,50	20	12,1	3,43	0,28	3,40	0,30
100				12,9	4,30	0,22	4,30	0,24

* calculation acc. to EN ISO 6946
** calculation acc. to EN 13 165 taking account of the joint acc. to EN 14 509

Fire resistance
isowand vario® is hardly inflammable when being installed (building material B-s3,d0 according to EN13501).

Sound insulation
Sound reduction R_W = 25 dB.

Air tightness of the joints
The air tightness of the joints through the joints has been tested on an element with a thickness of 60 mm. Result:

horiztal Installed: a < 0,001 $m^3/h \cdot m \cdot daPa^{1,0}$

vertical Installed: a = 0,02 $m^3/h \cdot m \cdot daPa^{1,0}$

Material

Cover sheets: Steel grade S 320 GD+ZA255 according to EN 10214 alloy-galvanised GALFAN® plus coating.

Insulating core: polyurethane (PUR) rigid foam

Profiling of cover sheet	Outer sheet	Innen sheet
microprofiled (M)	X	
v-profiled (V)	X	
Slightly profiled (L)	X	X

X= available /

Approval
General approval no. Z-10.4-345.

Ref.no. for ordering

example:isowand vario® ML 60 va

isowand-vario®	**M**	**L**	**60**	**Va**
	Outer shell M = micro-profiled	Inner shell L = liniert	Element thickness 60 mm	Type Vario

ThyssenKrupp Bausysteme GmbH
Hammerstraße 11
57223 Kreuztal, Germany
Phone ++ 49 / 2732 / 599 – 1221
Fax ++ 49 / 2732 / 599 – 1219
e-mail export.tks-bau@thyssenkrupp.com
Internet www.tks-bau.com